



**A.BATTERY TERMINAL +**

**C.LCD DISPLAY SCREEN**

**E.RS485/RS232 COMMUNICATION PORTS**

**F.SOC**

**B.BATTERY TERMINAL -**

**D.125A BREAKER**

**G.RESET**

# 48V Series

- 1.7 Years Warranty,3000~8000 Cycles Life Span
- 2.PC Software Monitoring
- 3.Rack Mount Design
- 4.Built-In BMS,RS485/RS232 Inverter communication

<b>Mechanical Properties</b>		<b>SK48V100</b>
Dimension		442*456*177mm
Weight		45kg
Housing Material		Metal
Terminal Model		M8
<b>Electrical Characteristics</b>		
Nominal Voltage		51.2V
Rated Capacity(0.2C)		100Ah
Efficiency		99%
Energy		5,120Wh
Self Discharge		≤3% Per Month
<b>Charging Parameters</b>		
Recommended Charge Current		50A
Maximun Charge Current		100A
Recommended Charge Voltage		57.6V-58.4V
BMS Charge Voltage Cut-off		<58.4V
Reconnect Voltage		>57.6V
Balancing Voltage		<57.6V
<b>Discharging Parameters</b>		
Maximum Continuous Discharge Current		100A
Peak Discharge Current		200A(3S)
BMS Discharge Current Cut-off		330A
BMS Discharge Voltage Cut-off		>10.4V
Reconnect Voltage		>11.6V
Recommended Low Voltage Disconnect		44.8V
<b>Operation &amp; Storage Temperature Range</b>		
Discharge Temperature		-4 to 140 °F (-20 to 60 °C)
Charge Temperature		32 to 113 °F (0 to 45 °C)
Storage Temperature		23 to 95 °F (-5 to 35 °C)
<b>Compliance</b>		
Conception		4S1P
Shipping Classification		UN 3480   Class 9   MSDS
Cell Type		Prismatic Cell (UL1973 Standard) LiFePO4 3.2V 100Ah Grade A+